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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 24	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:26:50 ON 15 OCT 2007

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CASREACT' ENTERED AT 07:26:58 ON 15 OCT 2007

FILE CONTENT:1840 - 13 Oct 2007 VOL 147 ISS 17

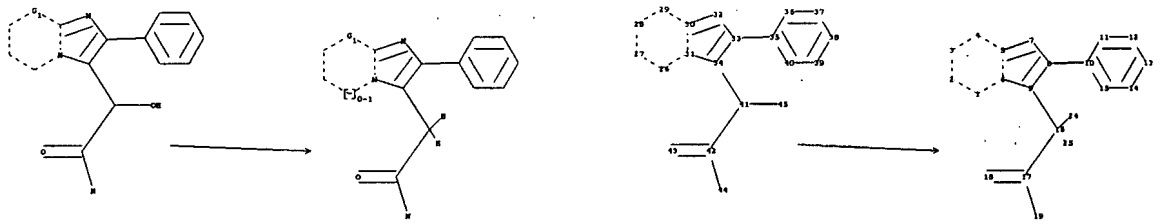
New CAS Information Use Policies, enter HELP USAGETERMS for details.

****
*
* CASREACT now has more than 13.8 million reactions *
*
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10537604.str



chain nodes :
16 17 18 19 24 25 41 42 43 44 45
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40
chain bonds :
8-10 9-16 16-17 16-24 16-25 17-18 17-19 33-35 34-41 41-42 41-45 42-43
42-44
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 26-27 26-31 27-28 28-29 29-30 30-31 30-32 31-34 32-33 33-34 35-36
35-40 36-37 37-38 38-39 39-40
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 9-16 16-17 16-24 16-25
17-18 17-19 26-27 26-31 27-28 28-29 29-30 30-31 30-32 31-34 32-33 33-34
33-35 34-41 41-42 41-45 42-43 42-44
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15 35-36 35-40 36-37 37-38 38-39 39-40
isolated ring systems :
containing 1 : 10 :

G1:C,O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS 25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:CLASS
42:CLASS 43:CLASS 44:CLASS 45:CLASS

fragments assigned product role:
containing 1
fragments assigned reactant/reagent role:
containing 26

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
FULL SEARCH INITIATED 07:27:35 FILE 'CASREACT'
SCREENING COMPLETE - 34 REACTIONS TO VERIFY FROM 9 DOCUMENTS

100.0% DONE 34 VERIFIED 8 HIT RXNS 5 DOCS
SEARCH TIME: 00.00.01

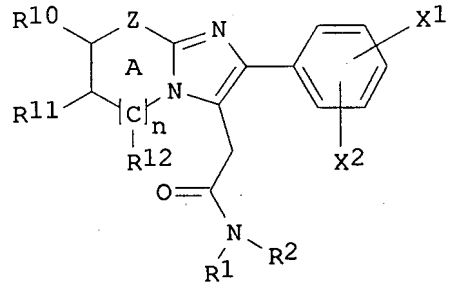
L2 5 SEA SSS FUL L1 (8 REACTIONS)

=> d ibib abs fhit tot

L2 ANSWER 1 OF 5 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 144:331433 CASREACT
TITLE: Synthesis of heteroaryl acetamides from reaction mixtures of heteroaryl α-hydroxyacetamides having reduced water content
INVENTOR(S): Jarvi, Esa T.; Miller, Douglas C.; Moser, Frank W.; Halvachs, Robert E.
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006007289	A1	20060119	WO 2005-US19810	20050603
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005262622	A1	20060119	AU 2005-262622	20050603
CA 2571491	A1	20060119	CA 2005-2571491	20050603

CN 1972939 A 20070530 CN 2005-80020732 20050603
EP 1809627 A1 20070725 EP 2005-756522 20050603
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
US 2007213537 A1 20070913 US 2006-594486 20060927
IN 2006CN04715 A 20070629 IN 2006-CN4715 20061222
PRIORITY APPLN. INFO.: US 2004-581967P 20040622
WO 2005-US19810 20050603
OTHER SOURCE(S): MARPAT 144:331433
GI



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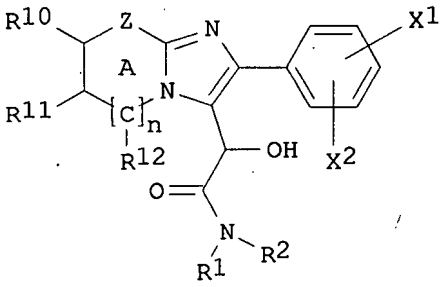
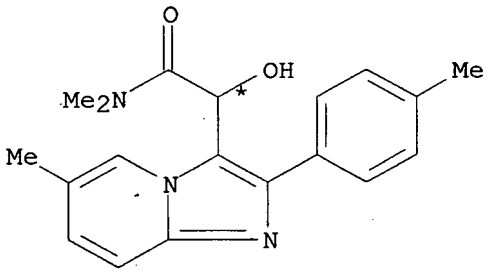


II

AB An improved process for the preparation of a heteroaryl acetamide (I) [Z = O, NR20 or CR21; X1, X2 = H, halogen, C1-4 alkoxy, C1-6 alkyl, CF3, MeSO2; R1, R2 = H, hydrocarbyl; R10 = H, halogen, C1-4 alkyl, a fused ring such as (i) a (un)substituted, (un)saturated, five or six-membered, heterocyclic or carbocyclic ring fused to the A ring comprising C(R10)-NR20 or (ii) a (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R10)-C(R11); R11 = H, halogen, C1-4 alkyl, or a fused ring such as (i) a (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R10)-C(R11) or (ii) an (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R11)-C(R12); R12 (if present) = H, halogen, C1-4 alkyl, or a fused ring such as (i) an (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R11)-C(R12); R20 = C1-5 alkyl or a fused ring such as an (un)substituted, (un)saturated, five or six-membered, heterocyclic or carbocyclic ring fused to the A ring comprising C(R10)-N(R20); R21 = H, halogen, C1-4 alkyl; n = 0-1; when Z is CR21, the A ring is aromatic] from a heteroaryl α-hydroxyacetamide (II) is provided. The process comprises directly hydrogenating the heteroaryl α-hydroxyacetamide II in the presence of a strong acid, a halide and a catalyst wherein the molar ratio of the starting heteroaryl α-hydroxyacetamide II to water at the initiation of hydrogenolysis is at least about 2:1. In one embodiment, the heteroaryl acetamide is zolpidem and the heteroaryl α-hydroxyacetamide is α-hydroxyzolpidem. Thus, α-hydroxyzolpidem (1.35 kg), acetic acid (1.42 kg), 5% Pd-C (38.6 g), and NaBr solution (6.6 mL) were combined in a glass reactor and the

reactor was closed. Concentrated H2SO4 (0.625 kg) and acetic anhydride (0.31 kg) were added to the reactor with cooling to maintain the reaction temperature below 70° and then the reactor was purged with nitrogen and pressurized with hydrogen gas to 30 psig. The reaction mixture was heated at 80-85° while maintaining the hydrogen pressure at 30 psig until the hydrogen uptake stopped, and cooled to 20-30°, and filtered to remove the catalyst, followed by washing the filtered catalyst with 1 L water and the wash water was added to the filtrate to give, after adding 3 L water and 3.15 kg iso-Pr alc. and then ammonium hydroxide (approx. 4.15 kg), cooling for crystallization, filtration, and drying, 1 kg zolpidem.

RX(1) OF 7 A ===> B



A

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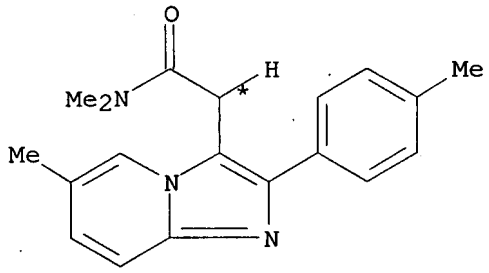


B
YIELD 97%

RX(1) RCT A 118026-14-5
RGT C 7664-93-9 H2SO4, D 7647-15-6 NaBr, E 1333-74-0 H2
PRO B 82626-48-0
CAT 7440-05-3D Pd
SOL 7732-18-5 Water, 64-19-7 AcOH
CON SUBSTAGE(1) room temperature, 25 psi
SUBSTAGE(2) room temperature -> 70 deg C, 25 psi -> 35 psi
SUBSTAGE(3) 6 hours, 70 deg C, 35 psi
NTE optimization study
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 5 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 141:123627 CASREACT
TITLE: Improved process for the synthesis of heteroaryl acetamides, in particular zolpidem, by hydrogenation of α-hydroxyacetamides
INVENTOR(S): Jarvi, Esa T.; Miller, Douglas C.

PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

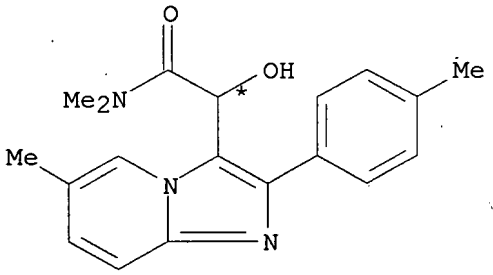
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058758	A1	20040715	WO 2003-US39951	20031216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2509561	A1	20040715	CA 2003-2509561	20031216
AU 2003297153	A1	20040722	AU 2003-297153	20031216
EP 1575952	A1	20050921	EP 2003-814010	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1729188	A	20060201	CN 2003-80106954	20031216
JP 2006516139	T	20060622	JP 2004-563575	20031216
US 2006025588	A1	20060202	US 2005-537604	20050603
MX 2005PA06438	A	20050908	MX 2005-PA6438	20050615
IN 2005CN01264	A	20070622	IN 2005-CN1264	20050615
PRIORITY APPLN. INFO.:			US 2002-435763P	20021218
			WO 2003-US39951	20031216

OTHER SOURCE(S): MARPAT 141:123627
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention is directed to an improved process for the preparation of heteroaryl acetamides I, in particular zolpidem (II), in one step, by hydrogenation of the corresponding α-hydroxyacetamides in the presence of a strong acid, a halide, and a Pd-based catalyst [wherein Z = O, NR20, CH and derivs.; X1, X2 = independently H, halo, alkoxy, alkyl, CF3, CH3SO2; R1, R2 = independently H, hydrocarbyl; R3 = H, halo, alkyl, etc.; R4 = H, halo, alkyl, etc.; R5 = H, halo, alkyl, etc.; W = (C)n; n = 0-1; when Z = CH and derivs., A is aromatic]. Thus, α-hydroxy-II was hydrogenated in the presence of a solution of H2SO4 in glacial AcOH, 1.4M NaBr in water, and 5% Pd/BaSO4 at 30-35 psi and 70° for 17 h to give zolpidem in 92 yield and 98.4% purity. Simillarly, α-hydroxy-II O-acetate gave II in 86% yield and 74.4% purity, which was recrystd. from i-PrOH.

RX(1) OF 3 A ===> B



A

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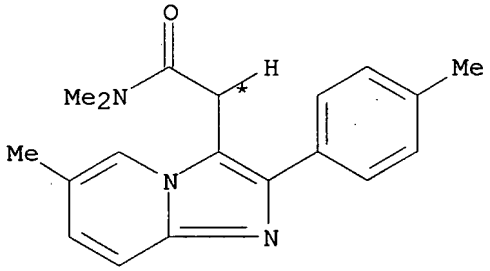


B
YIELD 97%

RX(1) RCT A 118026-14-5

STAGE(1)
RGT C 1333-74-0 H2, D 7647-15-6 NaBr, E 7664-93-9 H2SO4, F 64-19-7 AcOH
CAT 7440-05-3 Pd, 7727-43-7 BaSO4
SOL 7732-18-5 Water
CON SUBSTAGE(1) room temperature
SUBSTAGE(2) room temperature
SUBSTAGE(3) room temperature -> 70 deg C, 25 psi
SUBSTAGE(4) 6 hours, 70 deg C, 35 psi
SUBSTAGE(5) 70 deg C -> 40 deg C

STAGE(2)
SOL 7732-18-5 Water

PRO B 82626-48-0
NTE optimization study, solid supported catalyst

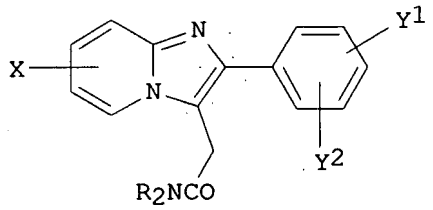
L2 ANSWER 3 OF 5 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 140:94046 CASREACT
TITLE: Process for the preparation imidazo[1,2-a]pyridine-3-acetamides
INVENTOR(S): Schloemer, George C.
PATENT ASSIGNEE(S): Scinopharm Taiwan, Ltd., USA
SOURCE: U.S. Pat. Appl. Publ., 4 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004010146	A1	20040115	US 2003-620209	20030714
US 6861525	B2	20050301		
WO 2004007496	A1	20040122	WO 2003-US22082	20030714
W: AU, CN, JP				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
AU 2003249262	A1	20040202	AU 2003-249262	20030714
EP 1539751	A1	20050615	EP 2003-764677	20030714
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
CN 1668617	A	20050914	CN 2003-816832	20030714
JP 2005538980	T	20051222	JP 2004-521845	20030714
PRIORITY APPLN. INFO.:			US 2002-396278P	20020715
			WO 2003-US22082	20030714

OTHER SOURCE(S): MARPAT 140:94046

GI



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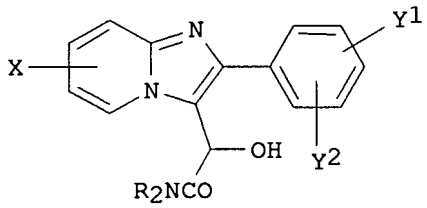
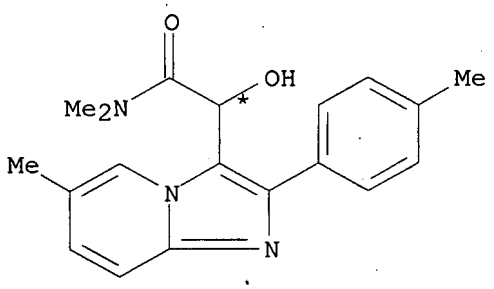


II

AB Imidazo[1,2-a]pyridine-3-N,N-dialkylacetamides [I; R = C1-4 alkyl; X, Y1, Y2 = H, C1-4 alkyl; e.g., 6-Methyl-N,N-dimethyl-2-(4-methylphenyl)imidazo[1,2-a]pyridine-3-acetamide] are prepared by the reaction of imidazo[1,2-a]pyridines [II; e.g., 6-methyl-N,N-dimethyl-2-(4-methylphenyl)-α-hydroxyimidazo[1,2-a]pyridine-3-acetamide] with PBr3 in a non-reactive solvent (e.g., 1,2-dichloroethane) to give an intermediate which is subjected to hydrolysis.

RX(3) OF 4 ...C ===> E



C

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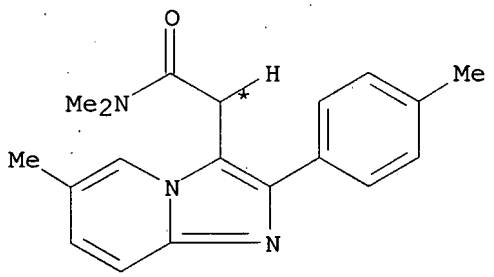

E
YIELD 74%

RX(3) RCT C 118026-14-5
RGT F 7789-60-8 PBr3
PRO E 82626-48-0
SOL 107-06-2 ClCH2CH2Cl
CON SUBSTAGE(1) room temperature
SUBSTAGE(2) 2 hours, reflux
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 5 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 111:115178 CASREACT
TITLE: Imidazopyridine derivatives useful as sedatives, anxiolytics, and anticonvulsants, their preparation, and medicaments and compositions containing them
INVENTOR(S): George, Pascal; Allen, John; Jaurand, Guy
PATENT ASSIGNEE(S): Synthelabo S. A., Fr.
SOURCE: Fr. Demande, 13 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2612927	A1	19880930	FR 1987-4276	19870327
FR 2612927	B1	19890609		
EP 289371	A1	19881102	EP 1988-400666	19880321
EP 289371	B1	19910925		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 67765	T	19911015	AT 1988-400666	19880321

ES 2026666	T3	19920501	ES 1988-400666	19880321
IL 85840	A	19920329	IL 1988-85840	19880323
DK 8801673	A	19880928	DK 1988-1673	19880325
FI 8801434	A	19880928	FI 1988-1434	19880325
NO 8801333	A	19880928	NO 1988-1333	19880325
AU 8813736	A	19880929	AU 1988-13736	19880325
AU 597809	B2	19900607		
JP 63258475	A	19881025	JP 1988-73036	19880325
JP 2733492	B2	19980330		
HU 46692	A2	19881128	HU 1988-1526	19880325
HU 198048	B	19890728		
ZA 8802163	A	19881130	ZA 1988-2163	19880325
CA 1324139	C	19931109	CA 1988-562556	19880325
US 4847263	A	19890711	US 1988-173813	19880328
PRIORITY APPLN. INFO.:			FR 1987-4276	19870327
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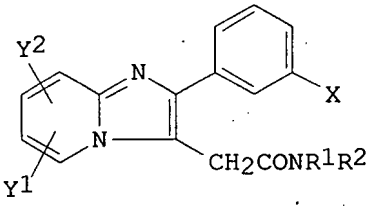
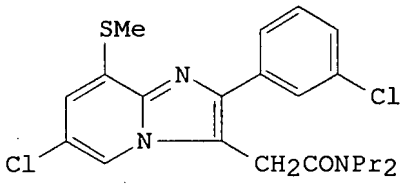
			EP 1988-400666	19880321

OTHER SOURCE(S): MARPAT 111:115178

GI

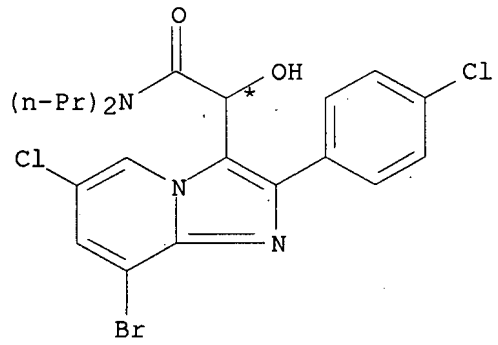


I



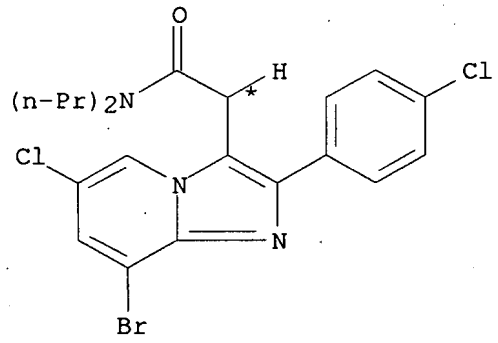
II

AB Imidazopyridine I [Y1 = H, halo, C1-4 alkyl; Y2 = SR where R = H, C1-4 alkyl; X = H, halo, C1-4 alkyl or alkoxy, CF3, MeS, NO2, NH2; R1, R2 = H, alkyl (un)substituted by halo, hydroxy, or alkoxy; or NR1R2 = C3-6 heterocyclyl; or R1R2 = (CH2)2X(CH2)2 where X = O, S, NR3; R3 = H, C1-4 alkyl, Ph] are prepared as sedatives, anxiolytics, and anticonvulsants. Bromination of 2-amino-5-chloropyridine with Br in CH2Cl2 gave the 3-bromo compds., which underwent cyclocondensation with 4-ClC6H4COCH2Br in EtOH containing NaHCO3 to give 8-bromo-6-chloro-2-(4-chlorophenyl)imidazo[1,2-a]pyridine. Treatment of the latter with (EtO)2CHCONPr2 in AcOH containing HCl gave the 3-CH(OH)CONPr2 derivative, which reacted 1st with SOCl2 and then with Rongalite to give the 3-CH2CONPr2 derivative Displacement of Br by MeSNa in THF/DMF gave chloro(chlorophenyl)methylthiodipropylimidazopyridineaceta mide II. The ED50 of I for protection of mice from pentetrazole-induced (i.v., 35 mg/kg) clonic convulsions was 0.1-10 mg/kg, i.p.



G

(4)



H

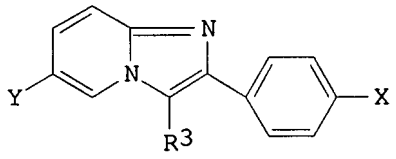
RX(4) RCT G 122328-23-8
PRO H 122341-79-1

L2 ANSWER 5 OF 5 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 109:149531 CASREACT
TITLE: Preparation of imidazopyridineacetamides as sedatives and hypnotics and as anticonvulsants
INVENTOR(S): George, Pascal; Allen, John
PATENT ASSIGNEE(S): Synthelabo S. A., Fr.
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 267111	A1	19880511	EP 1987-402463	19871102
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2606410	A1	19880513	FR 1986-15533	19861107
FR 2606410	B1	19890224		
US 4808594	A	19890228	US 1987-116217	19871103
JP 63135382	A	19880607	JP 1987-281925	19871106

PRIORITY APPLN. INFO.: FR 1986-15533 19861107
OTHER SOURCE(S): MARPAT 109:149531

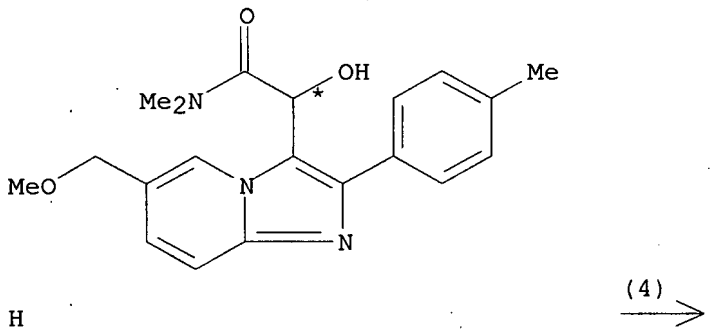
GI



I

AB The title compds. (I; R3 = CH2CONR1R2; R1, R2 = C1-3 alkyl; X = Me and Y = CH2OR or X = CH2OR and Y = Me; R = C1-6 alkyl) were prepared I (R3 = H, X = Me, Y = CO2Et) was stirred 0.5 h at 0° with LiAlH4 in THF and the product stirred 40 min with NaH and MeI in THF-DMF to give I (R3 = H, X = Me, Y = CH2OMe) which was stirred 2 h at 50° with Me2NCOCHO in HOAc containing NaOAc to give I [R3 = CH(OH)CONMe2, X = Me, Y = CH2OMe]. The latter was stirred 20 h with SOCl2 in CH2Cl2 and the product stirred 3 h with HOCH2SO2Na in CH2Cl2 to give I (R3 = CH2CONMe2, X = Me, Y = CH2OMe). I protect 50% of mice given pentetrazol i.v. from convulsions at 0.1-10 mg/kg i.p.

RX(4) OF 7 ...H ===> I



H

I

RX(4) RCT H 116494-83-8
RGT J 7719-09-7 SOCl2
PRO I 116494-84-9
CAT 149-44-0 HOCH2SO2Na

=> d his

(FILE 'HOME' ENTERED AT 07:26:50 ON 15 OCT 2007)

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L2            5 S L1 FULL

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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   139.05     139.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -3.65      -3.65

STN INTERNATIONAL LOGOFF AT 07:28:46 ON 15 OCT 2007
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Welcome to STN International! Enter x:x

LOGINID:SSPTANXR1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 24	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:30:31 ON 15 OCT 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 14 OCT 2007 HIGHEST RN 950664-39-8
DICTIONARY FILE UPDATES: 14 OCT 2007 HIGHEST RN 950664-39-8

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conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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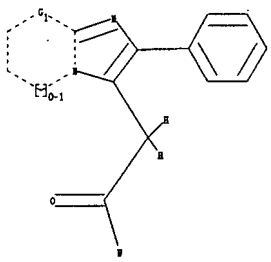

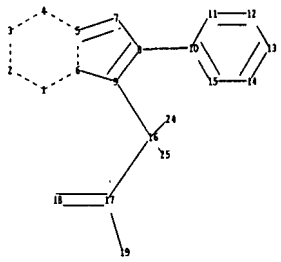

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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
chain bonds :
8-10 9-16 16-17 16-24 16-25 17-18 17-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 9-16 16-17 16-24 16-25
17-18 17-19
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 : 10 :

G1:C,O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
24:CLASS 25:CLASS

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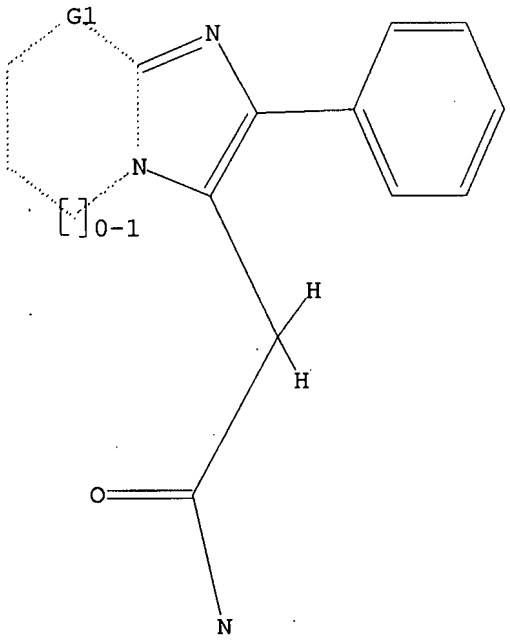

G1 C,O,N

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100.0% PROCESSED 1166 ITERATIONS 560 ANSWERS
SEARCH TIME: 00.00.01

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FULL ESTIMATED COST 172.10 172.31

FILE 'CAPLUS' ENTERED AT 07:31:27 ON 15 OCT 2007

FILE COVERS 1907 - 15 Oct 2007 VOL 147 ISS 17
FILE LAST UPDATED: 14 Oct 2007 (20071014/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

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=> s l3 and acid?
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L5           31 L3 AND ACID?

=> s l5 and catalyst?
        995473 CATALYST?
L6            4 L5 AND CATALYST?

=> d ibib abs hitstr tot

L6   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:401359  CAPLUS
DOCUMENT NUMBER:          146:358850
TITLE:                    A method for preparing zolpidem and its intermediates
INVENTOR(S):              Stivanello, Mariano; De Lucchi, Ottorino; Grendele,
                          Ennio; Sperandio, Davide
PATENT ASSIGNEE(S):       F.I.S. Fabbrica Italiana Sintetici S.p.A., Italy
SOURCE:                   Ital. Appl., 22pp.
                          CODEN: ITXXCZ
DOCUMENT TYPE:            Patent
LANGUAGE:                 Italian
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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     IT 2002MI0574         A1    20030919    IT 2002-MI574            20020319
PRIORITY APPLN. INFO.:                       IT 2002-MI574            20020319
OTHER SOURCE(S):          CASREACT 146:358850
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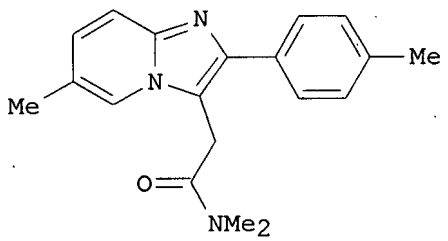


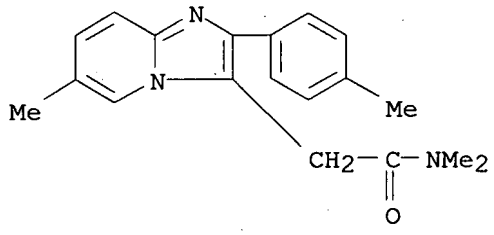
I

AB The invention relates to the preparation of zolpidem (I). Compound I was prepared by aluminum-catalyzed Friedel-Crafts reaction of succinic anhydride with toluene; the resulting 4-(4-methylphenyl)-4-oxobutanoic acid underwent amidation with dimethylamine to give N,N-di-Me 4-(4-methylphenyl)-4-oxobutanamide, which underwent bromination to give N,N-di-Me 3-bromo-4-(4-methylphenyl)-4-oxobutanamide, which underwent cyclization with 2-amino-5-picoline to give compound I.

IT 82626-48-0P, Zolpidem
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of zolpidem and their intermediates)

RN 82626-48-0 CAPLUS

CN Imidazo[1,2-a]pyridine-3-acetamide, N,N,6-trimethyl-2-(4-methylphenyl)- (CA INDEX NAME)



L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:332162 CAPLUS
DOCUMENT NUMBER: 144:331433
TITLE: Synthesis of heteroaryl acetamides from reaction mixtures of heteroaryl α-hydroxyacetamides having reduced water content
INVENTOR(S): Jarvi, Esa T.; Miller, Douglas C.; Moser, Frank W.; Halvachs, Robert E.
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006007289	A1	20060119	WO 2005-US19810	20050603

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AU 2005262622	A1	20060119	AU 2005-262622	20050603
CA 2571491	A1	20060119	CA 2005-2571491	20050603
CN 1972939	A	20070530	CN 2005-80020732	20050603
EP 1809627	A1	20070725	EP 2005-756522	20050603
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US 2007213537	A1	20070913	US 2006-594486	20060927
IN 2006CN04715	A	20070629	IN 2006-CN4715	20061222
PRIORITY APPLN. INFO.:			US 2004-581967P P	20040622
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OTHER SOURCE(S): CASREACT 144:331433; MARPAT 144:331433

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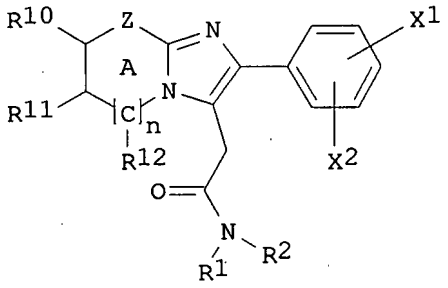

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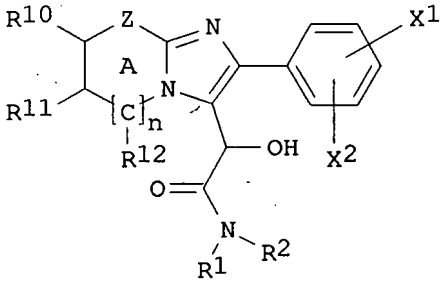


II

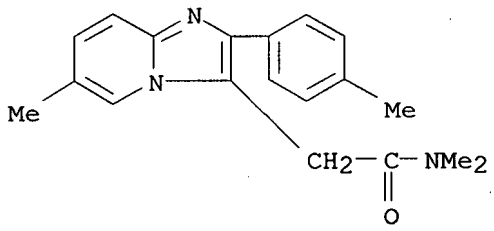
AB An improved process for the preparation of a heteroaryl acetamide (I) [Z = O, NR20 or CR21; X1, X2 = H, halogen, C1-4 alkoxy, C1-6 alkyl, CF3, MeSO2; R1, R2 = H, hydrocarbyl; R10 = H, halogen, C1-4 alkyl, a fused ring such as (i) a (un)substituted, (un)saturated, five or six-membered, heterocyclic or carbocyclic ring fused to the A ring comprising C(R10)-NR20 or (ii) a (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R10)-C(R11); R11 = H, halogen, C1-4 alkyl, or a fused ring such as (i) a (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R10)-C(R11) or (ii) an (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R11)-C(R12); R12 (if present) = H, halogen, C1-4 alkyl, or a fused ring such as (i) an (un)substituted six-membered, aromatic, carbocyclic ring fused to the A ring comprising C(R11)-C(R12); R20 = C1-5 alkyl or a fused ring such as an (un)substituted, (un)saturated, five or six-membered, heterocyclic or carbocyclic ring fused to the A ring comprising C(R10)-N(R20); R21 = H, halogen, C1-4 alkyl; n = 0-1; when Z is CR21, the A ring is aromatic] from a

heteroaryl α-hydroxyacetamide (II) is provided. The process comprises directly hydrogenating the heteroaryl α-hydroxyacetamide II in the presence of a strong acid, a halide and a catalyst wherein the molar ratio of the starting heteroaryl α-hydroxyacetamide II to water at the initiation of hydrogenolysis is at least about 2:1. In one embodiment, the heteroaryl acetamide is zolpidem and the heteroaryl α-hydroxyacetamide is α-hydroxyzolpidem. Thus, α-hydroxyzolpidem (1.35 kg), acetic acid (1.42 kg), 5% Pd-C (38.6 g), and NaBr solution (6.6 mL) were combined in a glass reactor and the reactor was closed. Concentrated H_2SO_4 (0.625 kg) and acetic anhydride (0.31 kg) were added to the reactor with cooling to maintain the reaction temperature below 70° and then the reactor was purged with nitrogen and pressurized with hydrogen gas to 30 psig. The reaction mixture was heated at 80-85° while maintaining the hydrogen pressure at 30 psig until the hydrogen uptake stopped, and cooled to 20-30°, and filtered to remove the catalyst, followed by washing the filtered catalyst with 1 L water and the wash water was added to the filtrate to give, after adding 3 L water and 3.15 kg iso-Pr alc. and then ammonium hydroxide (approx. 4.15 kg), cooling for crystallization, filtration, and drying, 1 kg zolpidem.

IT 82626-48-0P, Zolpidem
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of N-heteroarylacetamides by hydrogenolysis of N-heteroaryl-α-acetamides from reaction mixts. having reduced water content)

RN 82626-48-0 CAPLUS

CN Imidazo[1,2-a]pyridine-3-acetamide, N,N,6-trimethyl-2-(4-methylphenyl)- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:566605 CAPLUS
DOCUMENT NUMBER: 141:123627
TITLE: Improved process for the synthesis of heteroaryl acetamides, in particular zolpidem, by hydrogenation of α-hydroxyacetamides
INVENTOR(S): Jarvi, Esa T.; Miller, Douglas C.
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058758	A1	20040715	WO 2003-US39951	20031216

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

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GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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CA 2509561	A1	20040715	CA 2003-2509561		20031216
AU 2003297153	A1	20040722	AU 2003-297153		20031216
EP 1575952	A1	20050921	EP 2003-814010		20031216
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CN 1729188	A	20060201	CN 2003-80106954		20031216
JP 2006516139	T	20060622	JP 2004-563575		20031216
US 2006025588	A1	20060202	US 2005-537604		20050603
MX 2005PA06438	A	20050908	MX 2005-PA6438		20050615
IN 2005CN01264	A	20070622	IN 2005-CN1264		20050615
PRIORITY APPLN. INFO.:			US 2002-435763P	P	20021218
			WO 2003-US39951	W	20031216

OTHER SOURCE(S): CASREACT 141:123627; MARPAT 141:123627
GI

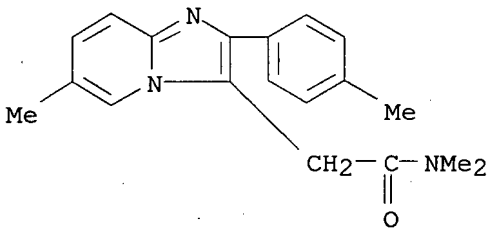
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention is directed to an improved process for the preparation of heteroaryl acetamides I, in particular zolpidem (II), in one step, by hydrogenation of the corresponding α-hydroxyacetamides in the presence of a strong acid, a halide, and a Pd-based catalyst [wherein Z = O, NR20, CH and derivs.; X1, X2 = independently H, halo, alkoxy, alkyl, CF3, CH3SO2; R1, R2 = independently H, hydrocarbyl; R3 = H, halo, alkyl, etc.; R4 = H, halo, alkyl, etc.; R5 = H, halo, alkyl, etc.; W = (C)n; n = 0-1; when Z = CH and derivs., A is aromatic]. Thus, α-hydroxy-II was hydrogenated in the presence of a solution of H2SO4 in glacial AcOH, 1.4M NaBr in water, and 5% Pd/BaSO4 at 30-35 psi and 70° for 17 h to give zolpidem in 92 yield and 98.4% purity. Simillarly, α-hydroxy-II O-acetate gave II in 86% yield and 74.4% purity, which was recrystd. from i-PrOH.

IT 82626-48-0P, Zolpidem
RL: IMF (Industrial manufacture); PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(heteroaryl acetamide product; synthesis of heteroaryl acetamides, in particular zolpidem, by hydrogenation of α-hydroxyacetamides in the presence of a strong acid, a halide and Pd-based catalyst)

RN 82626-48-0 CAPLUS

CN Imidazo[1,2-a]pyridine-3-acetamide, N,N,6-trimethyl-2-(4-methylphenyl)- (CA INDEX NAME)



L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:865526 CAPLUS
DOCUMENT NUMBER: 137:370088
TITLE: Cyclocondensation process for the production of 2-phenylimidazo[1,2-a]pyridines
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma K.-G., Germany
SOURCE: Ger. Offen., 6 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10121638	A1	20021114	DE 2001-10121638	20010503
US 2002183522	A1	20021205	US 2002-133830	20020426
CA 2445766	A1	20021114	CA 2002-2445766	20020502
WO 2002090356	A2	20021114	WO 2002-EP4796	20020502
WO 2002090356	A3	20031224		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002314026	A1	20021118	AU 2002-314026	20020502
EP 1395586	A2	20040310	EP 2002-740551	20020502
EP 1395586	B1	20070214		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004528380	T	20040916	JP 2002-587435	20020502
AT 353896	T	20070315	AT 2002-740551	20020502
ES 2280550	T3	20070916	ES 2002-2740551	20020502
US 6562975	B1	20030513	US 2002-319276	20021213
US 2003109707	A1	20030612	US 2002-318900	20021213
US 6583285	B2	20030624		
US 2003195375	A1	20031016	US 2003-446434	20030527
US 6664421	B2	20031216		
US 2004087794	A1	20040506	US 2003-689307	20031020
US 6958417	B2	20051025		
MX 2003PA10034	A	20040227	MX 2003-PA10034	20031031

PRIORITY APPLN. INFO.:

DE 2001-10121638	A	20010503
US 2001-290747P	P	20010514
US 2002-133830	A3	20020426
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US 2002-318900	A3	20021213

OTHER SOURCE(S): CASREACT 137:370088; MARPAT 137:370088

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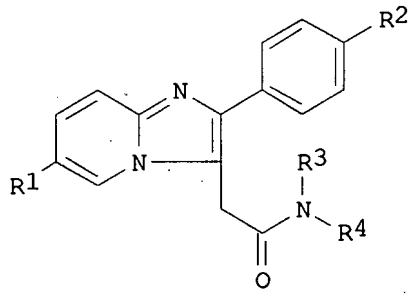

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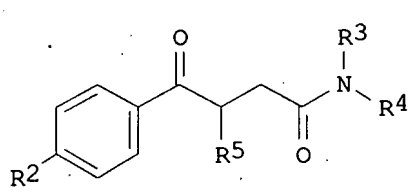
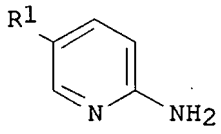


II

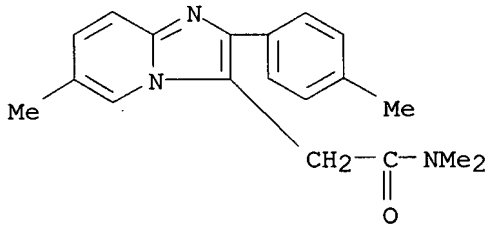


III

AB 2-Phenylimidazo[1,2-a]pyridines (I; R1-R4 = H, C1-6 alkyl), useful as pharmaceutical intermediates, are prepared in high yield and selectivity by the cyclocondensation of 4-phenyl-4-oxobutyramides (II; R5 = Cl, Br, I, O2CCH3, tosylate, mesylate) with 2-aminopyridines (III) in the presence of a catalyst. Thus, 3-(4-methylbenzoyl)propanoic acid dimethylamide was dissolved in AcOH brominated with bromine into 3-bromo-3-(4-methylbenzoyl)propanoic acid dimethylamide and subjected to cyclocondensation with 4-aminopicoline into N,N-6-trimethyl-2-(4-methylphenyl)imidazo[1,2-a]pyridine-3-acetamide in 45.7% yield.

IT 82626-48-0P 99294-93-6P
RL: PNU (Preparation, unclassified); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cyclocondensation process for the production of 2-phenylimidazo[1,2-a]pyridines)

RN 82626-48-0 CAPLUS
CN Imidazo[1,2-a]pyridine-3-acetamide, N,N,6-trimethyl-2-(4-methylphenyl)- (CA INDEX NAME)

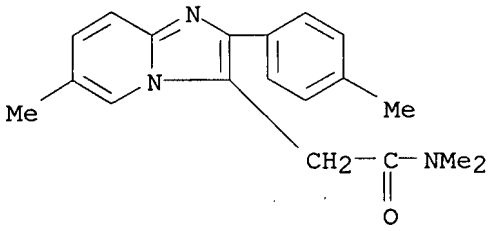


RN 99294-93-6 CAPLUS
CN Imidazo[1,2-a]pyridine-3-acetamide, N,N,6-trimethyl-2-(4-methylphenyl)-,

(2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

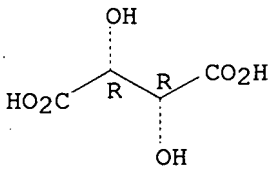
CRN 82626-48-0
CMF C19 H21 N3 O



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'REGISTRY' ENTERED AT 07:30:39 ON 15 OCT 2007
L1 STRUCTURE UPLOADED
L2 560 S L1 FULL

FILE 'CAPLUS' ENTERED AT 07:31:27 ON 15 OCT 2007
L3 63 S L2/PREP FULL
L4 37 S L3 AND PY<2002
L5 31 S L3 AND ACID?
L6 4 S L5 AND CATALYST?

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.00	203.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.12	-3.12

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